

**Crawford Station Manufactured Gas Plant
Parcel L
Chicago, Illinois
Weekly Field Progress Report**

Report Date: September 26, 2013

Prepared By: Natural Resource Technology, Inc. (NRT)
Ronald J. Horan, P.G.
Timothy B. Norris, P.G.
John M. Nardozzi, P.E.

Submitted To: Integrys Business Support, LLC (IBS)
Naren M. Prasad, P.E.

Activity Period: September 8, 2013 through September 14, 2013

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station manufactured gas plant (MGP) Time Critical Removal Action (AOC V-W-11-C-981):

Tasks	Environmental Activities
General Description of Work Performed	<p>The following activities were conducted during the course of the week.</p> <ul style="list-style-type: none">▪ Excavation activities along the western boundary at Area 5S and Area 7E, where the Earth Retention System was installed, continued. Significant source material was observed at the designed depths of these areas, therefore, a determination was made to extend the immediate area to 16-feet below ground surface.▪ Excavated materials, including concrete, were transported to Waste Management's Laraway Road RDF landfill in Elmwood, Illinois. A total of 10,889.17 tons (566 truck loads) of excavated material were removed over the course of this week. A total of 338,000.71 tons of excavated material has been removed and disposed of during the Parcel L portion of the project.▪ Continuous perimeter air monitoring on-site as defined in the RAWP was provided. In addition to the continuous perimeter air monitoring, a series of 24-hour air samples were collected for laboratory analysis.▪ Wastewater in the excavations was pumped, treated, and released to an approved Metropolitan Water Reclamation District (MWRD) sewer.▪ Utilized GPS unit to locate pertinent features and sampling locations.

Tasks	Environmental Activities
Sampling Activities Performed	<p>The following sampling activities were conducted during the course of the week:</p> <ul style="list-style-type: none"> ▪ A total of 10 SUMMA canister air samples (130909001-130909005 and 130911001-130911005), and six PUF air samples, including one duplicate (130909006-130909011) were collected and submitted to Test America laboratories for BTEX/Naphthalene and select PAH analyses, respectively. ▪ Five post-excavation soil samples were collected (130911006-130911010) and submitted to Test America for analysis. ▪ Three wastewater samples were collected (130911011-130911013) to determine whether newly installed granular activated carbon (GAC) filters were effective. GAC filters were replaced on September 9, 2013.
NRT Field Personnel	Edwards T. Effiong Ronald J. Horan Vincent M. Guiliani Rodney E. Lee Tim M. Norris Joseph R. Ridgway
Equipment Deployed	PUF sampling systems SUMMA canisters with 24-hour flow regulators AirLogics Air Monitoring Stations Photo ionization detectors (PIDs) GPS handheld unit Hand auger and shovels
Field Photos	See Field Photos below

Additional Site Activities:

- Concrete uncovered at Areas 4E and 5S was continuously broken into smaller pieces for future on-site use or off-site disposal.
- Portions of sewer from Area 5S are being powerwashed for future on-site use.
- A misting system is being installed on the western boundary of the site to suppress odors.

Work planned for the coming week, September 15, 2013 through September 21, 2013, is as follows:

- Continue excavation and sampling of Area 5S and Area 7E.
- Continue pumping wastewater from Area 4E and Area 5S.
- Continue breaking down concrete removed from Areas 4E and 5S.
- Provide continuous perimeter air monitoring of the site, and take air samples as described in the RAWP Addendum 1.
- Review sampling data received from laboratories who provided analyses, and apply this data in providing environmental oversight.



A weekly field progress report will continue to be issued throughout the duration of field activities for this Time Critical Removal Action. A final written report summarizing the results and findings of the Time Critical Removal Action will be provided following completion of field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.

A handwritten signature in black ink, appearing to read "Tim Norris".

Timothy B. Norris, P.G.
Geologist

A handwritten signature in black ink, appearing to read "John M. Nardozi".

John M. Nardozi, P.E.
Principal Engineer

Attachment 1: Burns and McDonnell, *Site Remediation - Construction Management Report* (09/08/13-09/14/13)



Field Photos:



Photo 1: Foaming material at Area 5S

Direction: Facing southwest

Photo Date: 9/10/2013

Photo Taken By: RJH



Photo 2: Excavation along ERS at Area 5S

Direction: Facing south

Photo Date: 9/10/2013

Photo Taken By: RJH



Photo 3: Truck loading at Area 5S

Direction: Facing southwest

Photo Date: 9/10/2013

Photo Taken By: RJH

Field Photos (continued):



Photo 4: Material from 12-16 feet at Area 5S

Direction: Facing east

Photo Date: 9/12/2013

Photo Taken By: RJH



Photo 5: Delivery of tank for the misting system

Direction: Facing southeast

Photo Date: 9/13/2013

Photo Taken By: RJH



Photo 6: Area 7E excavation

Direction: Facing north

Photo Date: 9/13/2013

Photo Taken By: RJH



1431 Opus Place, Suite 400
Downers Grove, Illinois 60515

Week of: 09/08/13 to 09/14/13

**Subject: Site Remediation – Construction Management
Peoples Gas – Former Crawford Station Parcel L**

Burns & McDonnell Personnel Onsite

Site Construction Manager

- Bal Berena

Site Remediation Supervisor

- Danny Batten/Rebekah Schulenberg

Construction Manager

- Mike Swieca

Others

- Mike Merkel
- Kevin Fagan
- Jason Blazier

Integrays/Peoples Gas Personnel Onsite

- None

Subcontractors Onsite

- Tecnica Environmental Services (TES)
- Helm Electrical Services (HES)
- North Shore Environmental (NSE)
- RDNP Drilling

Others

- Natural Resource Technology (NRT)
Tim Norris, Vince Giuliani, Rodney Lee, Ron Horan, Joseph Ridgway and Edwards Effiong.
- Dave Weber (WM) and Vito Pesoli (MT)

Miscellaneous Visitors

- Dan Opulinski (HES)
- Mark Norris (NSE)
- Gary Klein (TES)
- Paul Eger (RDNP Drilling)

Site Activities

BURNS & MCDONNELL

- Managed site activities with TES, NSE and HES;
- Kevin Fagan and Jason Blazier managed activities with RDNP Drilling at Parcel K;
- Pumped and discharged 165,927 gallons of treated water to MWRDGC;
- Received 1 load (90 cubic yards) of wood chips for odor and moisture control;
- Tracked 566 loads (10,889.17 tons) of direct disposal soil to Laraway Landfill. As of September 13, 2013, the project totals for disposal were 330,548.70 tons of direct disposal soils and 7,452.01 tons of concrete;
- Used 14 drums (55 gallon/drum) of foam for odor control;
- Issued truck tracking forms for all excavated soils from Areas 5S and 7E;
- Participated in daily subcontractors pre-task analysis safety meetings on site;

- Monitored site conditions and overall safety; and
- Held the weekly site construction meeting with Supervisors of Subcontractors and Waste Management.

TECNICA ENVIRONMENTAL SERVICES

- Excavated and loaded out soils from Areas 5S and 7E;
- Consistently broke concrete generated from Area 4E;
- Performed housekeeping on site;
- Operated and maintained truck scale;
- Actively controlled dust through watering on site;
- Performed routine maintenance on decon and tracking pads;
- Performed street cleaning activities along the exit and entrance gate;
- Assisted BMcD in waste water treatment system operation and maintenance;
- Continuously monitored site fencing and erosion control materials;
- Actively controlled odors through foaming and wood chips;
- Pumped water from Area 4E;
- Started installations of perimeter misting system in the western end of the property; and
- Assisted NSE during the water treatment system carbon changed out.

HELM ELECTRICAL SERVICES

- Installed electrical disconnect and electrical plug for the misting system to be installed along the western fence.

NORTH SHORE ENVIRONMENTAL SERVICES

- Performed water treatment system maintenance (carbon changed out).

RDNP DRILLING

- This company was on-site with Jason Blazier and Kevin Fagan of Burns & McDonnell. Equipment and materials were staged at Crawford L while the Parcel K investigation work was being completed.

Scope of work change for Area 5S and 7E

- The scope of the design for the floor of Area 5S east and west of the storm sewer has changed to 16 ft. in depth due to visual evidence of source material; and
- Continue excavation to the east and north of the original Area 4E design dig.

Open/Outstanding Items

- The ERS installation along the boundary between Parcel L and Parcel D will be temporarily suspended awaiting pending decisions regarding the Parcel D remedial work.

Anticipated Activities for the Week of September 15, 2013

- Continue breaking concrete generated from Area 4E;
- Continue digging and loading out soil from areas 5S and 7E along the sheeting wall.
- Load out concrete generated from Area 4E;
- Continue to pump water from Area 4E; and
- Continue repairing wind screens with wood lath as needed.



Crawford Station Site:

Remediation

Date: September 9, 2013

Description: View is towards the north side of the water treatment system. North Shore Environmental was on site to change the carbon in the lag tank. A vacuum truck was used to remove the old carbon.



Crawford Station Site:

Remediation

Date: September 10, 2013

Description: View is toward the north side of 4E. Tecnica continued to pressure wash the storm sewer pipe that was removed from Area 5S. The storm sewer pipe will be replaced during the restoration of Area 5S.